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Summary of Residents without water (1-6-11)

Name	Survey Summary	Hazardous	Comparison Value	Comparison	Maximum
		Substances Present*		Value Source	
1.	2 adults, 1	1)DEHP	1) 600/2,000 ug/L	1)ATSDR	1) 2.3 ug/L
Ex. 6 - Personal Privacy	teenager, water			Child/Adult	
	buffalo (well	2)Glycols	2) 8,000/30,000	Chronic	2) 4700J ug/L
<u> </u>	disconnected)		ug/L	EMEG	
	using donated	3) 2-Methoxyethanol			3) 1300J ug/L
	bottled water for		3) None	2)ATSDR	
	. drinking.	4)Manganese	Established	Child/Adult	4) 96.5 ug/L
	Delivery of water	•		Intermediate	
	to buffalo		4) 50 ug/L	EMEG	
1 '	discontinued by	*.*			
	donor parties.			3) None	
	A Section 1		and the second	4) EPA SMCL	ļ
2.	2 adults, no	Arsenic	3/10 ug/L	ATSDR	1.8J ug/L
Ex. 6 - Personal Privacy	children, water			Child/Adult	W.
Li	buffalo (well not	,		Chronic	
,	being used) using			EMEG	
·	donated bottled				
	water for				
	drinking.	<i>A</i> 6 3			
	Delivery to water		-		
	buffalo				:
	discontinued by				
	donor parties				

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3.	2 adults, no	1)Glycols	1)8000/30,000 ug/L	1) ATSDR	1)~1620 ug/L
Ex. 6 - Personal Privacy	children, water			Child/Adult	
<u> </u>	buffalo (well not	2) 2-Methoxyethanol	2)None Established	Intermediate	2) 1100J ug/L
	being used) using			EMEG	
	donated bottled	3) Arsenic	3) 3/10 ug/L		3) 2.4J ug/L
	water for		, ,	2) None	
	drinking.	4) Mangenese	4) 50 ug/L	,	4) 76J ug/L
	Delivery to water			3) ATSDR	
1	`buffalo	5) Sodium	5) 20,000 ug/L	Child/Adult	5) 110,000 ug/L
	discontinued by			Chronic	
]	donor parties.			EMEG	
	Pumping water				
	from the creek to			4) EPA SMCL	
	the water buffalo		*		
				5) EPA	
				Drinking	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 :		4		Water	
				Advisory	

Summary of Residents without water (1-6-11)

Name	Survey Summary	Hazardous	Comparison Value	Comparison	Maximum	
		Substances Present*		Value Source		
1.	2 adults, 1 teenager,	1)DEHP	1) 600/2,000 ug/L	1)ATSDR	1) 2.3 ug/L	
Ex. 6 - Personal Privacy	water buffalo (well			Child/Adult .		
L	disconnected) using			Chronic		
	donated bottled water	*		EMEG		
	for drinking. Delivery					
	of water to buffalo	2)Glycols	2) 8,000/30,000	2)ATSDR	2) 4700J ug/L	
	discontinued by donor		ug/L	Child/Adult		
	parties.			Intermediate		
			*	EMEG		
		3) 2-Methoxyethanol	3) None			
			Established	3) None	3) 1300J'ug/L	
34.1	100 g 25 4 5 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	4)Manganese		(4) EPA SMCL	4) 96.5 ug/L	
	was detected at a level (96.5				ation would not be	
	ant threat. The other contam				**	
ATSDR: Glycol compound de	etections of concern (analytical	detection issues as we've	discussed). Elevated m	nanganese. Elevate	ed methane. Biological	
ok. Potential quality control i	ssues with data. Do not use ur	ntil further characterization	recommended.	Or of the section is a section of	e organie sprektyne in allender had bedenske in bestelle betreet	
2	h 1 1		2/10 /T	ATCDD	1 01/1	
2. Ex. 6 - Personal Privacy	2 adults, no children,	Arsenic	3/10 ug/L	ATSDR	1.8J ug/L	
	water buffalo (well not			Child/Adult	•	
	being used) using donated			Chronic		
	bottled water for drinking.	,		EMEG		
	Delivery to water buffalo					
•	discontinued by donor					
	parties					
Tox: No contaminants at 1						
ATSDR: No organics data. Elevated methane, ethane, and ethene. Further characterization recommended.						

					
	2 adults, no children,	1)Glycols	1)8000/30,000 ug/L	1) ATSDR	1)~1620 ug/L
Ex. 6 - Personal Privacy					
L	being used) using	2) 2-Methoxyethanol		Intermediate	
	donated bottled water			EMEG	
	for drinking. Delivery	3) Arsenic			
	to water buffalo		2)None Established	2) None	2) 1100J ug/L
	discontinued by donor	4) Mangenese			· •
	parties. Pumping water	,	3) 3/10 ug/L	3) ATSDR	3) 2.4J ug/L
		5) Sodium		Child/Adult	, ,
•	water buffalo	,	•	Chronic	
				EMEG	
•					
			4) 50 ug/L	4) EPA SMCL	4) 76J ug/L
			.,,	,	1,111 1.8
			5) 20,000 ug/L	5) EPA	5) 110,000 ug/L
	Onlyik.		-,,		-,,
			·		
	Advi.		.,	Advisory	
	Ex. 6 - Personal Privacy	water buffalo (well not being used) using donated bottled water for drinking. Delivery to water buffalo discontinued by donor parties. Pumping water from the creek to the water buffalo Orink. Water	water buffalo (well not being used) using donated bottled water for drinking. Delivery to water buffalo discontinued by donor parties. Pumping water from the creek to the water buffalo Orink. Orink. Water	water buffalo (well not being used) using donated bottled water for drinking. Delivery to water buffalo discontinued by donor parties. Pumping water from the creek to the water buffalo Orinka Water water buffalo (well not being used) using donated bottled water for drinking. Delivery to water buffalo 3) Arsenic 4) Mangenese 5) Sodium 4) 50 ug/L 5) 20,000 ug/L	water buffalo (well not being used) using donated bottled water for drinking. Delivery to water buffalo discontinued by donor parties. Pumping water from the creek to the water buffalo Orinal Water water buffalo (well not being used) using donated bottled water for drinking. Delivery to water buffalo 3) Arsenic 4) Mangenese 5) Sodium 2) None Established 2) None 3) ATSDR Child/Adult Chronic EMEG 4) 50 ug/L 5) 20,000 ug/L 5) EPA Drinking Water

TOX: Sodium (110,000 ug/L) exceeds its Secondary MCL, which is based on aesthetics, as well as the safe level of intake for individuals on sodium-restricted diets. From a health perspective, the detected level of sodium could be a concern for hypertensive individuals. Manganese (76 ug/L) exceeds its Secondary MCL, but does not pose a threat.

ATSDR: Glycol compound detections of concern (analytical detection issues as we've discussed). Elevated manganese. Elevated sodium. Elevated methane. Biological ok. Do not use until further characterization recommended.

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71	4 adults, no children,	1) Glycols	1) 8000/30,000	1) ATSDR	1) 630J ug/L		
Ex. 6 - Personal Privacy	water buffalo (well not	1) Glycols	ug/L	Child/Adult	1) 0303 ug/L		
	being used) using		ug/L	Intermediate			
	, ,			EMEG			
	donated bottled water for			EMEG			
	drinking. Delivery to	0.0.1	0.31	0))]	2) 0001 //		
	water buffalo	2) 2-Methoxyethanol	2) None	2) None	2) 880J ug/L		
	discontinued by donor		Established	Established			
	parties.		0.040 /*				
·		3) Arsenic	3) 3/10 ug/L	3) ATSDR	3) 7.2B ug/L		
	, '			Child/Adult			
				Chronic			
				EMEG			
		4) Mangenese	4) 50 ug/L	4) EPA SMCL	4) 628 ug/L		
	}	5)Sodium	5) 20,000 ug/L	5) EPA	5) 82,900 ug/L		
2				Drinking			
1997		Programme Company		Water	- 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.		
		, ma		Advisory	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
Tox:a Similar to above (F	Resident 3), sodium was obser	ved at this residence (8)	2,900 ug/L) in excess of	of its Secondary M	ICL. Manganese (628		
	econdary MCL; exposure to the						
ATSDR: Glycol compound of	detections of concern (analytical	detection issues as we've	discussed). Elevated n	nanganese. Elevat	ed methane. Biological		
concern. Potential quality c	ontrol issues with data. Do not	use until further character	ization recommended.				
A CONTRACTOR OF THE PARTY OF TH	Contract of the second	Christian Christian	British (1921年)	15/1/40 18:12:19/40 40/1			
5.	3 adults, no children,	1) Arsenic	1) 3/10 ug/L	1) ATSDR	1) 1.3 ug/L		
Ex. 6 - Personal Privacy	not using water buffalo			Child/Adult			
	, using well water for			Chronic	•		
<u> </u>	everything but drinking			EMEG			
· .	and cooking buying						
	their own bottled water	2) Mangenese	2) 50 ug/L	2) EPA SMCL	2) 212 ug/L		
	for drinking and						
	cooking. High						
	sediment noted in their						
	filter.				·		
Tox: Manganese (212 110		ACL but does not pose	a threat	I	<u> </u>		
	Tox: Manganese (212 ug/L) exceeded its Secondary MCL, but does not pose a threat. ATSDR: No organics data. Elevated manganese. Biological concern. Do not use until further characterization recommended.						
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6. Ex. 6 - Personal Privacy	2 adults, 2 teenagers, 3	1) DEHP	1) 600/2,000 ug/L	1) ATSDR	1) 22 ug/L
	children, water buffalo			Child/Adult	
	(well not being used)			Chronic	<i>j</i> ' '.
	using donated bottled	,		EMEG	
-	water for drinking.				
	Delivery to water	2) Arsenic	2) 3/10 ug/L	2) ATSDR	2) 6.5 ug/L
	buffalo discontinued by			Child/Adult	1 1 1
	donor parties.			Chronic	
	· .			EMEG	
		3) Mangenese	3) 50 ug/L	3) EPA SMCL	3) 669 ug/L
		4) Sodium	4) 20,000 ug/L	4) EPA	4) 131,000 ug/L
				Drinking	, , , , , , , , , , , , , , , , , , , ,
		1		Water	
1.0				Advisory	

TOX: DEHP (22 ug/L) exceeds its MCL (6 ug/L) and also its risk-based screening level (7.1 ug/L, set at an excess cancer risk of 1E-04). Long-term exposure to this level of DEHP would pose a cancer risk of approximately 3E-04; this would be considered an imminent and substantial threats Additionally, sodium (131,000 ug/L) exceeds its Secondary MCL and could pose a threat to sodium-sensitive individuals. Note that three children reside at this location.

ATSDR: Limited organics data: Elevated manganese and sodium. Elevated methane. Biological concern. Do not use until further characterization recommended.

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(7.)	Ex. 6 - Personal Privacy - 2 adults, 1	1) Glycols	1) 8000/30,000	1) ATSDR	1) 3400J ug/L
Ex. 6 - Personal Privacy	senior, 1 adolescent, 1		ug/L	Child/Adult	
	child, 1 toddler, water			Intermediate	
	buffalo (well not being			EMEG	
	used) using donated				
	bottled water for	2) Arsenic	2) 3/10 ug/L	2) ATSDR	2) 3.1 ug/L
	drinking. Delivery to			Child/Adult	
	water buffalo			Chronic	
-	discontinued by donor			EMEG	
	parties.		,		
		3) Mangenese	3) 50 ug/L	3) EPA SMCL	3) 1360 ug/L

TOX: Manganese was detected at a level (1360 ug/L) that generates a Hazard Quotient of approximately 4. This represents an imminent and substantial threat. Note that two children (including one toddler) reside at this location.

ATSDR: Glycol compound detections of concern (analytical detection issues as we've discussed). Elevated manganese. Biological concern. Do not use until further characterization recommended.

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7 8.	3 adults, 3 seniors, 2	1)DEHP	1) 600/2,000 ug/L	1) ATSDR	1) 2.61 ug/L
Ex. 6 - Personal Privacy	toddlers, water buffalo			Child/Adult	
	disconnected. Well			Chronic	
	back in use for non-			EMEG]
·	potable uses. Bottle				
	water used for drinking	2)Arsenic	2) 3/10 ug/L	2) ATSDR	2) 37 ug/L
	and cooking. Resident	,	, ,	Child/Adult	'
	installed filter system			Chronic	
	(not sure it is certified	• .		EMEG	
	for potential				
	contaminants)	3)Manganese	3) 50 ug/L	3) EPA SMCL	3) 413 ug/L
.	•	,	, ,	,	, , ,
		4)Sodium	4) 20,000 ug/L	4) EPA	4) 36,800 ug/L
				Drinking	
	%			Water	
	<u>Elsod</u>			Advisory	

TOX: Arsenic (37 ug/L) was observed at a concentration that would pose a long-term cancer risk of 8E-04. This represents an imminent and substantial threat. Additionally, the detected concentration of arsenic exceeds its MCL (10 ug/L). Note that two toddlers reside at this location.

ATSDR: Glycol compound detections of concern (analytical detection issues as we've discussed). Elevated manganese. Elevated sodium. Biological concern. Do not use until further characterization recommended.

* Note, other chemicals of concern to ATSDR are present in all of these wells.

Overall ATSDR statement

ATSDR's preliminary public health evaluation of the private well water data at this time remains as summarized in our 12/29/11 Record of Activity document. We concluded that considering the maximum levels detected in these wells and the potential quality control issues, a possible chronic public health threat for prolonged use of the water from at least some of these wells exits. We recommended not using the water until further characterization could better establish the existence of a public health threat.